

CLAIMS

What is claimed is:

1. A medical device package comprising:
a body with at least one chamber defined therein, the body including:
a proximal end; and
a distal end; and
at least one deformable projection within the chamber,
wherein the deformable projection is configured to deform resiliently upon contact with a medical device during insertion of the medical device at least partially within the chamber and, thereby, removably retain the medical device at least partially within the chamber.
2. The medical device package of claim 1, wherein the body includes a plurality of chambers and at least one deformable projection within each of the plurality of chambers.
3. The medical device package of claim 2, wherein the chambers are configured in a regular array.
4. The medical device package of claim 3, wherein the body is a disk-shaped body and the chambers are configured in a circular array.
5. The medical device package of claim 4, wherein the chambers are configured in stacked circular arrays.
6. The medical device package of claim 1 further including:
a proximal cap member; and
a distal cap member.
7. The medical device package of claim 1, wherein the at least one deformable projection is a plurality of deformable projections.
8. The medical device package of claim 7, wherein the deformable projections are in an opposing configuration.

9. The medical device package of claim 7, wherein the deformable projections are in a staggered configuration.

10. The medical device package of claim 1, wherein the body includes an elevated portion that projects into the chamber and is in an opposing relationship to the deformable projection.

11. The medical device package of claim 1, wherein the deformable projection is a frangible projection.

12. The medical device package of claim 1 further including at least one rigid projection, the rigid projection configured to engage a medical device and to prevent extraction of the medical device.

13. The medical device package of claim 1, wherein the deformable projection is a curved deformable projection.

14. The medical device package of claim 1, wherein the deformable projection and body define an angle α in the range of 20 degrees to 80 degrees.

15. The medical device package of claim 1, wherein the deformable projection is a curved deformable projection that contacts the body at two points.

16. The medical device package of claim 1, further including at least one breachable cap member.

17. The medical device of claim 1, wherein the body is formed of a material that includes desiccant.

18. The medical device of claim 1, wherein the body is formed of a material that includes carbon black.

19. The medical device of claim 1, wherein the body is formed of a material that includes high density polyethylene (HDPE) and carbon black.

20. A method for extracting a medical device from a medical device package, the method comprising:

providing a medical device package with a medical device contained therein, and a connector, the medical device package including:

a body with at least one chamber defined therein, a proximal end, and a distal end; and

at least one deformable projection within the at least one chamber,

wherein the at least one deformable projection is configured to deform resiliently upon contact with a medical device during insertion of the medical device at least partially within the chamber and, thereby, removably retain the medical device at least partially within the chamber;

inserting at least a portion of the connector into the chamber;

engaging the medical device with the connector; and

extracting the engaged medical device from the chamber of the medical device package with the connector.

21. The method of claim 20, wherein the engaging step includes deforming the deformable projections with the connector.

22. The method of claim 20, wherein the providing step includes providing a medical device package that includes a proximal cap member and a distal cap member and the inserting step includes inserting the connector into the chamber by breaching the proximal cap member.

23. The method of claim 20, wherein the extracting step includes extracting the medical device through the breached proximal cap member.

24. The method of claim 20, wherein the extracting step includes extracting the medical device by breaching the distal cap member and extracting the medical device through the breached distal cap member.

25. The method of claim 20, wherein the providing step includes providing a medical device package with at least one deformable projection that is frangible; and

wherein the engaging step includes breaking the frangible deformable projection with the connector.

26. A method for extracting a medical device from a medical device package and subsequently disabling the medical device, the method comprising:

providing:

a medical device package with a medical device contained therein and a connector, the medical device package including:

a body with at least one chamber defined therein, a proximal end, and a distal end; and

at least one deformable projection within the chamber,

at least one frangible projection within the chamber; and

at least one rigid projection within the chamber;

inserting the connector such that at least a portion of the connector has entered the chamber;

engaging the medical device with the connector while resiliently deforming the deformable projection;

extracting the connector and engaged medical device from the chamber; and

subsequently re-inserting the connector and engaged medical device back into the chamber such that the frangible projection is broken and the rigid projection engages the medical device such that re-extraction of the medical device with the connector is prevented.